

Product type designation

Product description

Cable RS422, M12 / M12 tilted

Highly flexible communication line (6-core)
SIMATIC RF, MV M12-CONNECT. CABLE, PREASSEMBLED,
BETWEEN ASM 456, RF160C, RF170C, RF18XC AND READER
PUR, CMG, TRAILING, LENGTH 2 M READER-CONNECTOR
ANGLED



Suitability for use	Plug-in cable for connecting a reader to a communication module
Cable designation	L-YC11Y 6x1x0.25 6x24AWG CMG
Cable length	2 m

Electrical data

Number of electrical connections	2
Type of electrical connection	M12 (male, 8 pin, straight) / M12 (female, 8 pin, angled)
Loop resistance per length / maximum	160 mΩ/m
Insulation resistance coefficient	20 GΩ·m
Operating voltage	
• maximum	300 V

Mechanical data

Number of electrical cores	6
Design of the shield	Braided shield made of tin-plated copper wires
Outer diameter	
• of cable sheath	5.4 mm
Symmetrical tolerance of the outer diameter / of cable sheath	0.2 mm
Material	
• of the wire insulation	PVC
• of cable sheath	PUR
Color	
• of the insulation of data wires	DIN 47100
• of cable sheath	Black

Bending radius	
<ul style="list-style-type: none"> • with single bend / minimum permissible • with multiple bends / minimum permissible • with continuous bending 	<p>21.6 mm</p> <p>43 mm</p> <p>75 mm</p>
Number of bending cycles	3000000
Tensile load / maximum	200 N
Weight per length	45 kg/km

Permitted ambient conditions

Ambient temperature	
<ul style="list-style-type: none"> • during operation • during storage • during transport • during installation 	<p>-30 ... +80 °C</p> <p>-30 ... +80 °C</p> <p>-30 ... +80 °C</p> <p>-30 ... +80 °C</p>
Burning behavior	flame resistant according to IEC 60332-1-2
Chemical resistance	
<ul style="list-style-type: none"> • to mineral oil • to grease 	<p>resistant</p> <p>Resistant</p>
Radiological resistance / to UV radiation	resistant

Product properties, functions, components / general

Product property	
<ul style="list-style-type: none"> • halogen-free • silicon-free 	<p>No</p> <p>Yes</p>

Further Information / Internet Links

Internet-Link	
<ul style="list-style-type: none"> • to website: Industry Mall • to website: Information and Download Center • to website: Image database • to website: CAx Download Manager • to website: Industry Online Support 	<p>https://mall.industry.siemens.com</p> <p>http://www.siemens.com/automation/net/catalog</p> <p>http://automation.siemens.com/bilddb</p> <p>http://www.siemens.com/cax</p> <p>https://support.industry.siemens.com</p>

last modified: 12.03.2015